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OM nucleic - nucleic search, using SW model

Run on: July 22, 2004, 12:24:55 ; Search time 126 Seconds  
(without alignments)  
6857.607 Million cell updates/sec

Title: US-09-762-491-5  
Perfect score: 1557  
Sequence: 1 atgcgcgcgcgaagttatc.....ataatcatagcggaataa 1557

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA:  
1: /cgn2\_6/prodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/prodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/prodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/prodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/prodata/2/ina/PCUS\_COMB.seq.\*  
6: /cgn2\_6/prodata/2/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1548.6	99.5	1557	3	US-09-329-418-2
2	1548.6	99.5	1557	3	US-09-531-914-2
3	1526.4	98.0	1873	3	US-09-329-418-1
4	1526.4	98.0	1873	3	US-09-531-914-1
5	1487	95.5	1697	4	US-09-345-473B-7
6	334.2	21.5	509	4	US-09-023-655-558
7	295.4	19.0	308	4	US-09-023-655-826
8	259.2	16.6	264	4	US-09-016-434-980
9	107.4	6.9	2355	4	US-09-781-882-3
10	107.4	6.9	3860	4	US-09-781-882-1
11	96.8	6.2	1774	4	US-09-312-283C-403
12	96.8	6.2	2370	4	US-09-509-802-1
13	96.8	6.2	3516	4	US-09-188-930-257
14	96.8	6.2	3516	4	US-09-312-283C-257
15	79.6	5.1	1888	3	US-09-188-930-66
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17	60	3.9	2672	4	US-09-206-166-9
18	57.8	3.7	1260	4	US-09-206-166-1
19	57.8	3.7	1308	4	US-09-446-754-1
20	56.2	3.6	1461	3	US-09-344-001-1
21	53.4	3.4	2181	4	US-09-417-197-70
22	53.4	3.4	2184	4	US-09-417-197-138
23	53.4	3.4	2610	4	US-09-212-771-1
24	53.4	3.4	2610	3	US-09-091-058-1
25	53.4	3.4	2610	4	US-09-023-655-1206
26	52.6	3.4	1620	4	US-09-099-041A-3
27	52.6	3.4	1620	4	US-09-245-281-3

28	52.6	3.4	1620	4	US-09-207-359B-3	Sequence 3, App11
29	52.6	3.4	1620	4	US-09-340-620A-3	Sequence 3, App11
30	52.6	3.4	1620	4	US-09-865-364-3	Sequence 3, App11
31	52.6	3.4	1931	3	US-09-019-942-2	Sequence 2, App11
32	52.6	3.4	1931	4	US-09-099-041A-1	Sequence 1, App11
33	52.6	3.4	1931	4	US-09-245-281-1	Sequence 1, App11
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36	52.6	3.4	1931	4	US-09-340-620A-1	Sequence 1, App11
37	52.6	3.4	1931	4	US-09-865-364-1	Sequence 1, App11
38	52.6	3.4	1931	4	US-09-748-537-2	Sequence 1, App11
39	52.6	3.4	2501	4	US-09-920-663-3	Sequence 3, App11
40	52.6	3.4	2502	4	US-09-069-023-2	Sequence 2, App11
41	51.6	3.3	906	4	US-09-206-166-4	Sequence 2, App11
42	51.4	3.3	2505	4	US-09-458-457-9	Sequence 9, App11
43	51.4	3.3	2505	4	US-09-947-199A-9	Sequence 9, App11
44	51.4	3.3	3026	4	US-09-458-457-7	Sequence 7, App11
45	51.4	3.3	3026	4	US-09-947-199A-7	Sequence 7, App11

## ALIGNMENTS

RESULT 1  
US-09-329-418-2  
; Sequence 2, Application US/09329418  
; Patent No. 6096539  
; GENERAL INFORMATION:  
; APPLICANT: ZENECA Limited  
; TITLE OF INVENTION: PROTEIN ACTIVATOR OF APOPTOSIS  
; FILE REFERENCE: PHM 70536  
; CURRENT APPLICATION NUMBER: US/09/329,418  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 1557  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
US-09-329-418-2

Query Match	99.5%	Score 1548.6;	DB 3;	Length 1557;
Best Local Similarity	99.6%	Pred. No. 0;		
Matches 1551;	Conservative 1;	Mismatches 5;	Indels 0;	Gaps 0;
QY	1	ATGTCGTCGTCAGTTATGCGCCAGCGGTGCGCCCGCCCTTGTCATCGAGAA	60	
DB	1	ATGTCGTCGTCAGTTATGCGCCAGCGGTGCGCCCGCCCTTGTCATCGAGAA	60	
QY	61	CTGAGAACCAAGAGCTGCTCGGCAAAAGCGGTTTCGCAAGTTCGGGCGCAACAT	120	
DB	61	CTGAGAACCAAGAGCTGCTCGGCAAAAGCGGTTTCGCAAGTTCGGGCGCAACAT	120	
QY	121	AGGAATGGGGCTACATGTCGCGCTCAAGTTCGTAATTCGAAGCGCATTCAGAGAG	180	
DB	121	AGGAATGGGGCTACATGTCGCGCTCAAGTTCGTAATTCGAAGCGCATTCAGAGAG	180	
QY	181	GTCAGAGCCATGCAAGTTCGTAACGAATTCGTTTCGCTAGAAAGGGTTATCGAG	240	
DB	181	GTCAGAGCCATGCAAGTTCGTAACGAATTCGTTTCGCTAGAAAGGGTTATCGAG	240	
QY	241	AAGGTAACTGGAGCAAGATCCCAAGCGGCTGTGTAATTCATGAGAAAGCGC	300	
DB	241	AAGGTAACTGGAGCAAGATCCCAAGCGGCTGTGTAATTCATGAGAAAGCGC	300	
QY	301	TCCCTGTGGGGCTGTCGATCCCAAGTCCCTCGGCGCTGCTTTCGGCGCGC	360	
DB	301	TCCCTGTGGGGCTGTCGATCCCAAGTCCCTCGGCGCTGCTTTCGGCGCGC	360	
QY	361	CTGAAGAAGTGGTCTTGGAGATGTTTACCTGCAAGCAAGAACCGGTGCTCTGCAC	420	
DB	361	CTGAAGAAGTGGTCTTGGAGATGTTTACCTGCAAGCAAGAACCGGTGCTCTGCAC	420	

QY	421	CGGACCTTC	AAGCCAT	TCCAGCT	CTCCTCGGAC	CCAGAGCT	TGCAAGT	CAAGT	TGGCAGAT	480
Db	421	CGGGACCTT	CAAGCCAT	CCAAAGT	CTGTGAG	CCAGAGCT	CAAGT	CAAGT	TGGCAGAT	480
QY	481	TTTGGCCT	GTCCACAT	TTTCAGGAG	AGCTCA	AGTCAAGG	AGCCGAG	AGCAGG	540	
Db	481	TTTGGCCT	GTCCACAT	TTTCAGGAG	AGCTCA	AGTCAAGG	AGCCGAG	AGCAGG	540	
QY	541	GGCACCT	TGGGCTAC	TGTGGCC	CAGAACT	GTITTTAA	CGTAA	CCGAA	GGCCTTCACA	600
Db	541	GGCACCT	TGGGCTAC	TGTGGCC	CAGAACT	GTITTTAA	CGTAA	CCGAA	GGCCTTCACA	600
QY	601	GCCAGT	AGCTTACA	AGCTTCGG	AGTCTCTA	ATGTGG	AGCTGTCT	TGTGGA	GAAGAAT	660
Db	601	GCCAGT	AGCTTACA	AGCTTCGG	AGTCTCTA	ATGTGG	AGCTGTCT	TGTGGA	GAAGAAT	660
QY	661	GAGTTGG	CAACCG	GAACCAAT	CACTCG	GTATCG	GAAGCA	AGTGGAA	ACGGGCT	720
Db	661	GAGTTGG	CAACCG	GAACCAAT	CACTCG	GTATCG	GAAGCA	AGTGGAA	ACGGGCT	720
QY	721	TCATTGG	CTAG	AGCTCC	CCAGCCGG	AGCTG	AGCTCCGG	CTTAG	AGAGCTG	780
Db	721	TCATTGG	CTAG	AGCTCC	CCAGCCGG	AGCTG	AGCTCCGG	CTTAG	AGAGCTG	780
QY	781	CTAATG	CAGCTCT	GTGAG	CACTG	AGCCAG	AGACCT	CTTCCAG	ATATGCTTA	840
Db	781	CTAATG	CAGCTCT	GTGAG	CACTG	AGCCAG	AGACCT	CTTCCAG	ATATGCTTA	840
QY	841	CCAAAA	CTGAG	AGTCTT	CCAGAT	GTGTGG	GAACAAT	ATGAT	TGCTGTCT	900
Db	841	CCAAAA	CTGAG	AGTCTT	CCAGAT	GTGTGG	GAACAAT	ATGAT	TGCTGTCT	900
QY	901	GTAAGG	ATTTCT	CTGTCA	GTCAAG	CAGCAAT	ATAGAG	ATTTCTA	TCCAGAGTCA	960
Db	901	GTAAGG	ATTTCT	CTGTCA	GTCAAG	CAGCAAT	ATAGAG	ATTTCTA	TCCAGAGTCA	960
QY	961	GGCCAA	GGAAG	GACAG	AAATG	ATGCTTT	AGAGAA	CAAT	TGAAAA	1020
Db	961	GGCCAA	GGAAG	GACAG	AAATG	ATGCTTT	AGAGAA	CAAT	TGAAAA	1020
QY	1021	AATG	ATGAT	GTGTTT	CTGAG	TGGCTTAA	CAACTGA	ATCTA	TGAGAG	1080
Db	1021	AATG	ATGAT	GTGTTT	CTGAG	TGGCTTAA	CAACTGA	ATCTA	TGAGAG	1080
QY	1081	GTTCC	TAAAAA	ATG	CCCGAG	CCCTTCA	CAAGAG	GAGG	GCACAG	1140
Db	1081	GTTCC	TAAAAA	ATG	CCCGAG	CCCTTCA	CAAGAG	GAGG	GCACAG	1140
QY	1141	CAAG	CTTGA	CAG	AGGCA	ATCTTCA	ATGAT	TGAT	TGGCCCA	1200
Db	1141	CAAG	CTTGA	CAG	AGGCA	ATCTTCA	ATGAT	TGAT	TGGCCCA	1200
QY	1201	ACCT	CACTTT	CAGAA	CCAGAT	TGCCAG	CCCTCA	CTG	GAACAC	1260
Db	1201	ACCT	CACTTT	CAGAA	CCAGAT	TGCCAG	CCCTCA	CTG	GAACAC	1260
QY	1261	CCCC	GAGG	AATCA	GGGGG	CTGAG	AGACAA	AGGCA	TAACT	1320
Db	1261	CCCC	GAGG	AATCA	GGGGG	CTGAG	AGACAA	AGGCA	TAACT	1320
QY	1321	CCAA	ATTCAG	ATAC	AGGG	CGAGCT	GTATTA	CAAT	TATAC	1380
Db	1321	CCAA	ATTCAG	ATAC	AGGG	CGAGCT	GTATTA	CAAT	TATAC	1380
QY	1381	GGA	GCAC	AACTTA	CTTGA	CTAT	GTCA	ACAG	ACA	1440
Db	1381	GGA	GCAC	AACTTA	CTTGA	CTAT	GTCA	ACAG	ACA	1440
QY	1441	CTTT	GGGG	CAAG	GGG	AGCTTT	GACAC	CCCC	CA	1500
Db	1441	CTTT	GGGG	CAAG	GGG	AGCTTT	GACAC	CCCC	CA	1500
QY	1501	AAAG	ATCT	GAA	CGCT	GAC	AGG	CCAC	AGG	1557

Db	1501	AAAGATCTGAAGCTTGAGACGAGCCACAGGGTTGGTATATCATACGGGAAATTA	1557
QY	1	ATGTGCTGCTCAAGTTATGAGCCGAGCGATGCCCCCTTGATGTCATCGAGAA	60
Db	1	ATGTGCTGCTCAAGTTATGAGCCGAGCGATGCCCCCTTGATGTCATCGAGAA	60
QY	61	CTGAGAAACAGAGACTGCTGTCGGAAGACGGGTTTCGACAGTGTTCGGGCGCAAT	120
Db	61	CTGAGAAACAGAGACTGCTGTCGGAAGACGGGTTTCGACAGTGTTCGGGCGCAAT	120
QY	121	AGGAAGTGGGGCTACAGATGTGGCGGTCGAAGTCGTAATCTGAAAGGGGTTATCGAG	180
Db	121	AGGAAGTGGGGCTACAGATGTGGCGGTCGAAGTCGTAATCTGAAAGGGGTTATCGAG	180
QY	181	GTCAAGGCGCATGCAAGTCTGGATTAACGAATTCGTTGCGGCTAGAAAGGGTTATCGAG	240
Db	181	GTCAAGGCGCATGCAAGTCTGGATTAACGAATTCGTTGCGGCTAGAAAGGGTTATCGAG	240
QY	241	AAGGTGAACCTGGAGCAAGATCCCAAGCCGGCTCTGTGTACTAAATTCATGAGAACCGGC	300
Db	241	AAGGTGAACCTGGAGCAAGATCCCAAGCCGGCTCTGTGTACTAAATTCATGAGAACCGGC	300
QY	301	TCCCTGTGGGGCTGTGCTGATCCCAATGTCCTCGGCTCTGGCCGCTCCTTTGGCCGCTG	360
Db	301	TCCCTGTGGGGCTGTGCTGATCCCAATGTCCTCGGCTCTGGCCGCTCCTTTGGCCGCTG	360
QY	361	CTGAAGAAGTGTGCTGGAGTGTTTTAACTTGCGACGACAGAACCCGGTGTCTCTGCAC	420
Db	361	CTGAAGAAGTGTGCTGGAGTGTTTTAACTTGCGACGACAGAACCCGGTGTCTCTGCAC	420
QY	421	CGGAGCTCAAGCCATTCACAGTCTCTGCGGACCCAGAGCTGCAAGCTCAAGCTGGCAGAT	480
Db	421	CGGAGCTCAAGCCATTCACAGTCTCTGCGGACCCAGAGCTGCAAGCTCAAGCTGGCAGAT	480
QY	481	TTTGGCTGTTCACATTTTCAGGAGGCTTCACAGTCAAGGAGACGGGTTCGGGAGGCGCAGG	540
Db	481	TTTGGCTGTTCACATTTTCAGGAGGCTTCACAGTCAAGGAGACGGGTTCGGGAGGCGCAGG	540
QY	541	GGCAACCTGGGGTACTTGGGCCCCAGAACGTGTTTAACTGTAACGTAACCGGAAGGCTTCACA	600
Db	541	GGCAACCTGGGGTACTTGGGCCCCAGAACGTGTTTAACTGTAACGTAACCGGAAGGCTTCACA	600
QY	601	GCGATGACGTCTACAGCTTTGGAGATCTTAATGTGGGACGTGCTTGTGGAAGAGAAATT	660
Db	601	GCGATGACGTCTACAGCTTTGGAGATCTTAATGTGGGACGTGCTTGTGGAAGAGAAATT	660
QY	661	GAGTTCACCAACCAATCACTCTGTGTACGAAGCATGTGTGCAACAGGCAAAACGGGCTT	720

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Db      661 GAGTTCACACGCAACATCACTCGTGTAGAAAGCATGTGCAACAGGCAACCCGCTT 720
Qy      721 TCATTGGCTGAGTGTGCCCCAAGCCGGCTGAGACTCCCGGCTTAAGAGACTGAAGAG 780
Db      721 TCATTGGCTGAGTGTGCCCCAAGCCGGCTGAGACTCCCGGCTTAAGAGACTGAAGAG 780
Qy      781 CTAAATGACGCTGCTGAGACAGTGAAGCCCAAGACAGACCCCTCTCCAGGAATGCTTA 840
Db      781 CTAAATGACGCTGCTGAGACAGTGAAGCCCAAGACAGACCCCTCTCTCCAGGAATGCTTA 840
Qy      841 CCAAAAATGATGATGATCTTCCAGATGATGAGAACATATGATGATGATGATGATGATGAT 900
Db      841 CCAAAAATGATGATGATCTTCCAGATGATGAGAACATATGATGATGATGATGATGATGAT 900
Qy      901 GTAAAGATTTCTGTCTCAGCTCAAGAGACATAGAGATTTTCTATCCAGAGTCA 960
Db      901 GTAAAGATTTCTGTCTCAGCTCAAGAGACATAGAGATTTTCTATCCAGAGTCA 960
Qy      961 GGCAGAGAGAGGACAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
Db      961 GGCAGAGAGAGGACAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
Qy      1021 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
Db      1021 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
Qy      1081 GTTCTTAAATAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Db      1081 GTTCTTAAATAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Qy      1081 GTTCTTAAATAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Db      1141 CAAGCTGAGACAGACAGACATCTTCAATGATGATGATGATGATGATGATGATGATGATGAT 1200
Qy      1141 CAAGCTGAGACAGACAGACATCTTCAATGATGATGATGATGATGATGATGATGATGATGAT 1200
Db      1201 ACTCAATCTTGAAGAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260
Qy      1201 ACTCAATCTTGAAGAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260
Db      1261 CCCCCAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1320
Qy      1261 CCCCCAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1320
Db      1321 CCAAAATCCAGTAAACAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
Qy      1321 CCAAAATCCAGTAAACAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
Db      1381 GAGAGACAACTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440
Qy      1381 GAGAGACAACTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440
Db      1441 CCTTCGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1500
Qy      1441 CCTTCGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1500
Db      1501 CATTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1557
Qy      1501 CATTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1557
Db      1501 AAAAGATCTGAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1557
Qy      1501 AAAAGATCTGAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1557

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## RESULT 3

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US-09-329-418-1
; Sequence 1, Application US/09329418
; Patent No. 6096539
; GENERAL INFORMATION:
; APPLICANT: ZENECA Limited
; TITLE OF INVENTION: PROTEIN ACTIVATOR OF APOPTOSIS
; FILE REFERENCE: PHM 70536
; CURRENT APPLICATION NUMBER: US/09/329,418
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1

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; LENGTH: 1873
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-329-418-1
Query Match      98.0%; Score 1526.4; DB 3; Length 1873;
Best Local Similarity 99.1%; Pred. No. 0;
Matches 1546; Conservative 0; Mismatches 11; Indels 3; Gaps 1;
Qy      1 AATGCTGCTGCTCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 60
Db      165 AATGCTGCTGCTCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 224
Qy      61 CTGGAAGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
Db      225 CTGGAAGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 284
Qy      121 AGGAAGTGGAGCTAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Db      285 AGGAAGTGGAGCTAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 344
Qy      181 GTCAAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 240
Db      345 GTCAAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 404
Qy      241 AAGGT---GAACTGGAGCCCAAGATCCCAAGCCGCTGATGATGATGATGATGATGATGATGATGAT 297
Db      405 AAGGTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 464
Qy      298 GGCCTGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 357
Db      465 GGCCTGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 524
Qy      358 CTGCTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 417
Db      525 CTGCTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 584
Qy      418 CACCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 477
Db      585 CACCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 644
Qy      478 GATTTTGGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 537
Db      645 GATTTTGGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 704
Qy      538 GGGGGGACCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 597
Db      705 GGGGGGACCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 764
Qy      598 AAGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 657
Db      765 AAGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 824
Qy      658 GTTGAAGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 717
Db      825 GTTGAAGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 884
Qy      718 CTTTCAATGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 777
Db      885 CTTTCAATGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 944
Qy      778 GAGCTAATGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 837
Db      945 GAGCTAATGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1004
Qy      838 CTACCAAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 897
Db      1005 CTACCAAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1064
Qy      898 ACGGTAAGAGATTTCTGTCTCAGCTCAAGAGACAGAAATAGAGATTTTCTATCCAGAG 957
Db      1065 ACGGTAAGAGATTTCTGTCTCAGCTCAAGAGACAGAAATAGAGATTTTCTATCCAGAG 1124

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QY 958 TCAGGCCAAGAGGAGCAAGAAATGATGCTTTAGAGAAACATAGAAACAGACCT 1017  
 DB 1125 TCAGGCCAAGAGGAGCAAGAAATGATGCTTTAGAGAAACATAGAAACAGACCT 1184  
 QY 1018 CGTAATGATGTCATGCTTTCTGAGGCTAAACAATACTGATGAGAGCTCCAGC 1077  
 DB 1185 CGTAATGATGTCATGCTTTCTGAGGCTAAACAATACTGATGAGAGCTCCAGC 1244  
 QY 1078 TCTGTTCTTAAAAAATGCCCCAGCTTACCAAGAGAGCAGGCAAGAGAGAGCTT 1137  
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 DB 1305 CCAAGAGCTTGAGAGAGGAGCAATCTCAGATTGATGAGCCCAACTCCCAAGCTCA 1364  
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 QY 1258 GAGACCCGAGGAGATCAGGGGGCTGAGAGAGCAAGGATGAACTGGTCTTGAGAGCCCG 1317  
 DB 1425 GAGACCCGAGGAGATCAGGGGGCTGAGAGAGCAAGGATGAACTGGTCTTGAGAGCCCG 1484  
 QY 1318 GAGCCCAATCCAGTAAACAGGGGAGACCGCTCTTAACTATACAACTGGTGGGGTGAA 1377  
 DB 1485 GAGCCCAATCCAGTAAACAGGGGAGACCGCTCTTAACTATACAACTGGTGGGGTGAA 1544  
 QY 1378 GTTGGAGACAACAACTACTGACTATGCAAGACAACTGCTCCCACTGAGGCTTG 1437  
 DB 1545 GTTGGAGACAACAACTACTGACTATGCAAGACAACTGCTCCCACTGAGGCTTG 1604  
 QY 1438 GCACCTTGGGAGAGGAGGGGCTTGACAGACCCCTCCACAGATGTTCCAGAGAGGC 1497  
 DB 1605 GCACCTTGGGAGAGGAGGGGCTTGACAGACCCCTCCACAGATGTTCCAGAGAGGC 1664  
 QY 1498 CCTAAGATTCCTGAAGCCCTGAGAGGAGCCAGAGGTTGGTAAATCATAGGGGAAATTA 1557  
 DB 1665 CCTAAGATTCCTGAAGCCCTGAGAGGAGCCAGAGGTTGGTAAATCATAGGGGAAATTA 1724

RESULT 4  
 US-09-531-914-1  
 ; Sequence 1, Application US/09531914  
 ; Patent No. 6267956  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ZENECA Limited  
 ; TITLE OF INVENTION: PROTEIN ACTIVATOR OF APOPTOSIS  
 ; FILE REFERENCE: PHM 70536  
 ; CURRENT APPLICATION NUMBER: US/09/531,914  
 ; CURRENT FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: 09/329,418  
 ; NUMBER OF SEQ ID NOS: 39  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 1  
 ; LENGTH: 1873  
 ; TYPE: DNA  
 ; ORGANISM: Homo Sapiens  
 US-09-531-914-1

Query Match 98.0%; Score 1526.4; DB 3; Length 1873;  
 Best Local Similarity 99.1%; Pred. No. 0;  
 Matches 1546; Conservative 0; Mismatches 11; Indels 3; Gaps 1;

QY 1 AUGTGTGCTCAAGTTATGAGCCAGAGTGCCTCCCTGTTGTCATTCAGAGAA 60  
 DB 165 ATGTGCTGCTCAAGTTATGAGCCAGAGTGCCTCCCTGTTGTCATTCAGAGAA 224  
 QY 61 CTGAGAACACAGAGCTGCTCGCAAAAGACGGGTTTCGAGCAAGTGTTCGGGCGCAACAT 120  
 DB 225 CTGAGAACACAGAGCTGCTCGCAAAAGACGGGTTTCGAGCAAGTGTTCGGGCGCAACAT 284

QY 121 AGAAGTGGGGCTACGATGTGGCGGTCAAGATCTGTAACCTGAAAGCGATATCCAGGAG 180  
 DB 285 AGAAGTGGGGCTACGATGTGGCGGTCAAGATCTGTAACCTGAAAGCGATATCCAGGAG 344  
 QY 181 GTCAAGGCCATGAGCAAGCTTGGATTAACGAATTGCTGTTGGGCTTAAAGGGGTTATGAG 240  
 DB 345 GTCAAGGCCATGAGCAAGCTTGGATTAACGAATTGCTGTTGGGCTTAAAGGGGTTATGAG 404  
 QY 241 AAGCT---GAAGTGGAGACCAAGATCCCAAGCCGGCTCGGATTAATTCATGAGAGAC 297  
 DB 405 AAGCTGGCGGCTGAGCCCAAGATCCCAAGCCGGCTCGGATTAATTCATGAGAGAC 464  
 QY 298 GGCCTCCGTGTCGGGGCTGCTGCAATCCAGTCCCTCGGCTCGGCTCGGCTCTTTCGCGC 357  
 DB 465 GGCCTCCGTGTCGGGGCTGCTGCAATCCAGTCCCTCGGCTCGGCTCGGCTCTTTCGCGC 524  
 QY 358 CTGCTAAAGAGATGTTGCTTGGATGTTTAACTCTGACGACCAAAACCCGGTCTCTG 417  
 DB 525 CTGCTAAAGAGATGTTGCTTGGATGTTTAACTCTGACGACCAAAACCCGGTCTCTG 584  
 QY 418 CACCGGAGCTCAAGCCATCCAAAGTCTGCCCCGAGCCCAAGAGCTGCAAGTCAAGTGGCA 477  
 DB 585 CACCGGAGCTCAAGCCATCCAAAGTCTGCCCCGAGCCCAAGAGCTGCAAGTCAAGTGGCA 644  
 QY 478 GATTTTGGCTGTCCACATTTCAAGGAGGCTCAAGTCAAGGAGCAGGGTCCGGGAGGCA 537  
 DB 645 GATTTTGGCTGTCCACATTTCAAGGAGGCTCAAGTCAAGGAGCAGGGTCCGGGAGGCA 704  
 QY 538 GGGGGACCCCTGGGCTACTTGGCCCCAGAACTGTTGTTAACTGTAACCGAGAGCTTCC 597  
 DB 705 GGGGGACCCCTGGGCTACTTGGCCCCAGAACTGTTGTTAACTGTAACCGAGAGCTTCC 764  
 QY 598 ACAAGCATGACGTCCTACAGCTTGGGATCTTAATGAGGAGAGCTTGGTGGAGAGAA 657  
 DB 765 ACAAGCATGACGTCCTACAGCTTGGGATCTTAATGAGGAGAGCTTGGTGGAGAGAA 824  
 QY 658 GTTGAAGTCCCAACGAAACCATCATCTGCTGTAACGAAGCAGTGTCCAAACAGCAGAACCGG 717  
 DB 825 GTTGAAGTCCCAACGAAACCATCATCTGCTGTAACGAAGCAGTGTCCAAACAGCAGAACCGG 884  
 QY 718 CTTTCAATGGCTGAGCTGCCCCCAAGCCGGGCTTGAAGTCTCCGGCTTGAAGACTGAAG 777  
 DB 885 CTTTCAATGGCTGAGCTGCCCCCAAGCCGGGCTTGAAGTCTCCGGCTTGAAGACTGAAG 944  
 QY 778 GAGCTAATGAGCTCTGCTGAGAGAGAGGCAAGGCAAGACCTCTCCAGAGATGC 837  
 DB 945 GAGCTAATGAGCTCTGCTGAGAGAGAGGCAAGGCAAGACCTCTCTCCAGAGATGC 1004  
 QY 838 CTACCAAAAACCTGATGAAGTCTTCCAGATGCTGAGAGCAATATGATGCTGCTCC 897  
 DB 1005 CTACCAAAAACCTGATGAAGTCTTCCAGATGCTGAGAGCAATATGATGCTGCTCC 1064  
 QY 898 ACGGTAAAGATTTCTGCTCTGCTCAAGTCAAGAGCAAGCAATAGAGATTTTCTATCCAGAG 957  
 DB 1065 ACGGTAAAGATTTCTGCTCTGCTCAAGTCAAGAGCAAGCAATAGAGATTTTCTATCCAGAG 1124  
 QY 958 TCAGGCCAAGAGGAGCAAGAAATGATGCTTTAGAGAAACATAGAAACAGACACTCT 1017  
 DB 1125 TCAGGCCAAGAGGAGCAAGAAATGATGCTTTAGAGAAACATAGAAACAGACACTCT 1184  
 QY 1018 CGTAATGATGTCATGCTTTCTGAGGCTAAACAATACTGATGAGAGCTCCAGC 1077  
 DB 1185 CGTAATGATGTCATGCTTTCTGAGGCTAAACAATACTGATGAGAGCTCCAGC 1244  
 QY 1078 TCTGTTCTTAAAAAATGCCCCAGCTTACCAAGAGAGCAGGCAAGAGAGAGCTT 1137  
 DB 1245 TCTGTTCTTAAAAAATGCCCCAGCTTACCAAGAGAGCAGGCAAGAGAGAGCTT 1304  
 QY 1138 CCAAGAGCTTGAGAGAGGAGCAATCTCAGATTGATGAGCCCAACTCCCAAGCTCA 1197  
 DB 1305 CCAAGAGCTTGAGAGAGGAGCAATCTCAGATTGATGAGCCCAACTCCCAAGCTCA 1364  
 QY 1198 GAGACCTCAACTTTAGAGAAACAGATGCCCCAGCTTCACTGAAACCAAGTCT 1257

Db 1365 GAGACTCTCACTTTGAGAAACGAGATGCCAGCCCTCACTCAACTGMAACCAAGTCTT 1424  
 Qy 1258 GAGACCCGAGGAAATCAGGGGGCTGAGAGACAAAGGATGAATCTGTCTTGACAGACCCCG 1317  
 Db 1425 GAGACCCGAGGAAATCAGGGGGCTGAGAGACAAAGGATGAATCTGTCTTGACAGACCCCG 1484  
 Qy 1318 GAGCCAAATCCAGTAAACAGGGCGACCGCTCTGTAACTATATCAACTGCTCTGGGGTGCAG 1377  
 Db 1485 GAGCCAAATCCAGTAAACAGGGCGACCGCTCTGTAACTATATCAACTGCTCTGGGGTGCAG 1544  
 Qy 1378 GTTGAGACAACAATCTGACTATGACAAACAGAACTGCTTGCCACATGGGGCTTG 1437  
 Db 1545 GTTGAGACAACAATCTGACTATGACAAACAGAACTGCTTGCCACATGGGGCTTG 1604  
 Qy 1438 GACCTTGGGCGAAGGGGAGGGGCTTGACAGACCCCCCAACAGTAAGTTGCAAGAAAGC 1497  
 Db 1605 GACCTTGGGCGAAGGGGAGGGGCTTGACAGACCCCCCAACAGTAAGTTGCAAGAAAGC 1664  
 Qy 1498 CCTAAGATCTCTGAACCTTGAGACAGCCCAAGGGTTGGTATATCATAGCGGAAATTA 1557  
 Db 1665 CCTAAGATCTCTGAACCTTGAGACAGCCCAAGGGTTGGTATATCATAGCGGAAATTA 1724

RESULT 5  
 US-09-345-473E-7  
 / Sequence 7, Application US/09345473E  
 / Patent No. 6558903  
 / GENERAL INFORMATION:  
 / APPLICANT: Hodge, Martin  
 / TITLE OF INVENTION: No. 6558903el Kinases and Uses Thereof  
 / FILE REFERENCE: 35800/183781  
 / CURRENT APPLICATION NUMBER: US/09/345,473E  
 / NUMBER OF SEQ ID NOS: 62  
 / SOFTWARE: FastSeq for Windows Version 4.0  
 / SEQ ID NO 7  
 / LENGTH: 1697  
 / TYPE: DNA  
 / ORGANISM: Homo sapiens  
 / FEATURE:  
 / NAME/KEY: CDS  
 / LOCATION: (2)...(1492)  
 US-09-345-473E-7

Query Match 95.5%; Score 1487; DB 4; Length 1697;  
 Best Local Similarity 99.7%; Pred. No. 0;  
 Matches 1490; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
 Qy 63 GAGAAACCGAGAGCTGTGGGCAAAAGACGGGTTCCGACACAGTGTCCGGGCGCAATATG 122  
 Db 1 GAGAAACCGAGAGCTGTGGGCAAAAGACGGGTTCCGACACAGTGTCCGGGCGCAATATG 60  
 Qy 123 GAAAGTGGGCTACGATGTGGCGGTCAAGATCGTAACTCGAAGGCGATATCCAGGGAGGT 182  
 Db 61 GAAAGTGGGCTACGATGTGGCGGTCAAGATCGTAACTCGAAGGCGATATCCAGGGAGGT 120  
 Qy 183 CAAGGCGATGCAAGTCTGATTAACGAATTCGTGTTCCGCTTAGAAGGGGTTATCGAGA 242  
 Db 121 CAAGGCGATGCAAGTCTGATTAACGAATTCGTGTTCCGCTTAGAAGGGGTTATCGAGA 180  
 Qy 243 GGTGAATCTGGACCAAGATCCCAAGCGGCTCTGTGACTAAATTCATGAGAACGGCTTC 302  
 Db 181 GGTGAATCTGGACCAAGATCCCAAGCGGCTCTGTGACTAAATTCATGAGAACGGCTTC 240  
 Qy 303 CCGTGGGGGCTGTGCAAGTCCAGTCCCTGCGGCTCGGCGCTCTTTCGCGCTGCT 362  
 Db 241 CCGTGGGGGCTGTGCAAGTCCAGTCCCTGCGGCTCGGCGCTCTTTCGCGCTGCT 300  
 Qy 363 GAAAGAGTGTGCTTGGATGTTTAACTGCAAGAACCGCGATCTCTGACCG 422  
 Db 301 GAAAGAGTGTGCTTGGATGTTTAACTGCAAGAACCGCGATCTCTGACCG 360

Qy 423 GAGACTCAAGCCATCCAGCTCTGCGGAGCCCAAGAGCTGCACTGCAAGCTGGCAGATTT 482  
 Db 361 GAGACTCAAGCCATCCAGCTCTGCGGAGCCCAAGAGCTGCACTGCAAGCTGGCAGATTT 420  
 Qy 483 TGGCTGTCCACATTTCAAGGAGAGCTCAAGTCAAGGACAGGGTCCGGGAGCCAGGGG 542  
 Db 421 TGGCTGTCCACATTTCAAGGAGAGCTCAAGTCAAGGACAGGGTCCGGGAGCCAGGGG 480  
 Qy 543 CACCTGGGCTACTTGGCCCCCAAGACTGTTGTTAACTTAAACCGGAAGCTTCCACAGC 602  
 Db 481 CACCTGGGCTACTTGGCCCCCAAGACTGTTGTTAACTTAAACCGGAAGCTTCCACAGC 540  
 Qy 603 CAGTACGCTACAGCTTGGGATCCCTAATGTTGGGAGGCTTGTGGAAGAAATTGA 662  
 Db 541 CAGTACGCTACAGCTTGGGATCCCTAATGTTGGGAGGCTTGTGGAAGAAATTGA 600  
 Qy 663 GTTGCCAAACGAAACATCACTGCTGACAAACAGTGTCAACAGGACAAACCGGCTTTC 722  
 Db 601 GTTGCCAAACGAAACATCACTGCTGACAAACAGTGTCAACAGGACAAACCGGCTTTC 660  
 Qy 723 ATTGCTGAGCTGCCCCCAAGCGGCTGAGACTCCCGCTTAAAGAACTGAAGAGCT 782  
 Db 661 ATTGCTGAGCTGCCCCCAAGCGGCTGAGACTCCCGCTTAAAGAACTGAAGAGAGCT 720  
 Qy 783 AATGACGCTCTGCTGAGAGAGTGAAGCCCAAGAGACAGCCCTCTCAAGAAATGCTTACC 842  
 Db 721 AATGACGCTCTGCTGAGAGAGTGAAGCCCAAGAGACAGCCCTCTCAAGAAATGCTTACC 780  
 Qy 843 AAAAATGATGAAGTCTTCCAGATGGTGAAGAAATATGAATGCTGTCTCCACGGT 902  
 Db 781 AAAAATGATGAAGTCTTCCAGATGGTGAAGAAATATGAATGCTGTCTCCACGGT 840  
 Qy 903 AAAGATTTCTGTCTCAGCTCAAGAGCAGCAATAGAGATTTTCTATCCAGAGTCAAG 962  
 Db 841 AAAGATTTCTGTCTCAGCTCAAGAGCAGCAATAGAGATTTTCTATCCAGAGTCAAG 900  
 Qy 963 CCAAGAGGGAAGAAATGAGATGGCTTTAGAGAAACCAATGAAACCAACACTCTGTAA 1022  
 Db 901 CCAAGAGGGAAGAAATGAGATGGCTTTAGAGAAACCAATGAAACCAACACTCTGTAA 960  
 Qy 1023 TGATGTCATGTTTCTGAGTGGCTAAACAACTGAATCTAGAGAGCTCCAGCTCTGT 1082  
 Db 961 TGATGTCATGTTTCTGAGTGGCTAAACAACTGAATCTAGAGAGCTCCAGCTCTGT 1020  
 Qy 1083 TCTTAAATAATGCCGAGCTTTACCAAGAGAGCAGGCGCAACAGAGACAGGTTCCACA 1142  
 Db 1021 TCTTAAATAATGCCGAGCTTTACCAAGAGAGCAGGCGCAACAGAGACAGGTTCCACA 1080  
 Qy 1143 AGCTGGAACAGAGCACTTCTGATTCGATGGCCCAACCTCCCAAGACTCCAGAGAC 1202  
 Db 1081 AGCTGGAACAGAGCACTTCTGATTCGATGGCCCAACCTCCCAAGACTCCAGAGAC 1140  
 Qy 1203 CTCAACTTCAAGAAACAGATGCCAGGCTCTCACTCAACTGGAACCAACAGTCTTGAGAC 1262  
 Db 1141 CTCAACTTCAAGAAACAGATGCCAGGCTCTCACTCAACTGGAACCAACAGTCTTGAGAC 1200  
 Qy 1263 CCGAGGGAATCAGGGGGCTGAGAGACAAAGCATGAATCTGTCTTGAGAGACCCCGAGGC 1322  
 Db 1201 CCGAGGGAATCAGGGGGCTGAGAGACAAAGCATGAATCTGTCTTGAGAGACCCCGAGGC 1260  
 Qy 1323 AATATCAGTAAACAGGGCGACCGCTGTTAACTATTAACAATCTCTCTGGGGTGCAGTTGG 1382  
 Db 1261 AATATCAGTAAACAGGGCGACCGCTGTTAACTATTAACAATCTCTCTGGGGTGCAGTTGG 1320  
 Qy 1383 AGACAACAACCTACTTGAATATGACAGCAAGCACTGCTTGCCCACTGAGGAGCTTGGACCC 1442  
 Db 1321 AGACAACAACCTACTTGAATATGACAGCAAGCACTGCTTGCCCACTGAGGAGCTTGGACCC 1380  
 Qy 1443 TTCCGGCAAGGGGAGGGGCTTGCAGACACCCCCCAACAGTATGTCAGAAAGGCTCTTAA 1502  
 Db 1381 TTCCGGCAAGGGGAGGGGCTTGCAGACACCCCCCAACAGTATGTCAGAAAGGCTCTTAA 1440  
 Qy 1503 AGATCTGAAGCTTGAGAGAGGCAAGGCTTGTATATCATATACGGGAAATTA 1557

Db 1441 AGATCTGAGGCTGGAGAGGCGGAGGCTTGGTATATCATATACGGGAAATATA 1495

## RESULT 6

US-09-023-655-558  
Sequence 558, Application US/09023655

Patent No. 6607879  
GENERAL INFORMATION:  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Susan G. Stuart  
APPLICANT: Jeffrey J. Seilhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
TITLE OF INVENTION: EXPRESSION  
NUMBER OF SEQUENCES: 1508  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023.655  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 845-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 558:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 509 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: COLSUCT01  
CLONE: 2349047  
US-09-023-655-558

Query Match 21.5%; Score 334.2; DB 4; Length 509;

Best Local Similarity 94.8%; Pred. No. 2.6e-82;  
Matches 345; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 433 CCATCCAAAGTCTCTGCGGAGCCAGAGCTGACGTCAGTCGAGATTTTGGCTGTCC 492  
DB 146 CTTGACACCTTCACAGCTGATGTCGTGCGTCAAGTTATGCTGCGAGATTTTGGCTGTCC 205  
QY 493 ACATTTCCAGGAGGCTCACAGTCAGGAGAGGCTCCGGGAGCCAGCGGCGCCTGGGC 552  
DB 206 ACATTTCCAGGAGGCTCACAGTCAGGAGAGGCTTCGGGAGCCAGCGGCGCCTGGGC 265  
QY 553 TACTTGGCCCCGAGACTGTTTGTAAACGTAACCGGAAGGCTCCACAGCCAGTACGTC 612  
DB 266 TACTTGGCCCCGAGACTGTTTGTAAACGTAACCGGAAGGCTCCACAGCCAGTACGTC 325  
QY 613 TACAGCTTGGGATCTTAATGTGTGGGAGTGTCTTGGAAGAGAAAGTTGAGTTGCCAAC 672  
DB 326 TACAGCTTGGGATCTTAATGTGTGGGAGTGTCTTGGAAGAGAAAGTTGAGTTGCCAAC 385

QY 673 GAACATCACTCTGTATGAGAGAGTGTGCAAGAGAGAGCCGCTTATTTGGCTGAG 732  
DB 386 GAACATCACTCTGTATGAGAGAGTGTGCAAGAGAGAGCCGCTTATTTGGCTGAG 445

QY 733 CTGCCCCAAGCGGGGCTGAGACTCCCGGCTTAGAAGACTGAAGAGCTTAATGACCTC 792  
DB 446 CTGCCCCAAGCGGGGCTGAGACTCCCGGCTTAGAAGACTGAAGAGCTTAATGACCTC 505

QY 793 TGCT 796  
DB 506 TGCT 509

## RESULT 7

US-09-023-655-826  
Sequence 826, Application US/09023655

Patent No. 6607879  
GENERAL INFORMATION:  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Susan G. Stuart  
APPLICANT: Jeffrey J. Seilhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
TITLE OF INVENTION: EXPRESSION  
NUMBER OF SEQUENCES: 1508  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023.655  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 845-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 826:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 308 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: BRAITUT03  
CLONE: 866123  
US-09-023-655-826

Query Match 19.0%; Score 295.4; DB 4; Length 308;

Best Local Similarity 98.0%; Pred. No. 9.8e-72;  
Matches 299; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 249 CTGGAGCAAGATCCCAAGCCGCTCTGTGATCAATTAATTCATGAGAACGGCTCCCTGTC 308  
DB 4 CTGGAGCAAGATCCCAAGCCGCTCTGTGATCAATTAATTCATGAGAACGGCTCCCTGTC 63  
QY 309 GGGGCTGTGAGATCCCAAGTCCCTGCGGCTTGGCTGCTCTTGGCCGCTGCTGAAGA 368  
DB 64 GGGGCTGTGAGATCCCAAGTCCCTGCGGCTTGGCTGCTCTTGGCCGCTGCTGAAGA 123

[illegible]

## RESULT 8

US-09-016-434-980  
Sequence 980. Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Sellhammer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HEREMITH  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 845-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 980:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 264 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: BRATTU03  
CLONE: 866123  
US-09-016-434-980

	Query Match Similarity	Score	259.2	DB 4	Length	264
	Best Local Similarity	98.9%	Pident	No. 82-62		
	Matches	261	Conservative	0	Mismatches	3
					Indels	0
					Gaps	0
QY	250	TGAGAAACGGCTTCCTGTGGGGCTCTCTGACATGCCAGTGCCTCGGCTTGCGCGCTCC				349
Db	1	TGAGAAACGGCTTCCTGTGGGGCTCTCTGACATGCCAGTGCCTCGGCTTGCGCGCTCC				60

[illegible]

## RESULT 9

```

US-09-781-882-3
; Sequence 3, Application US/09781882
; Patent No. 6630335
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; TITLE OF INVENTION: 14171 Protein Kinase, a No. 6630335el Human
; TITLE OF INVENTION: Protein Kinase and Uses thereof
; FILE REFERENCE: 035600-209014(5800-6
; CURRENT APPLICATION NUMBER: US/09/781, 882
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: U.S. 60/182, 096
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2355
; TYPE: DNA
; ORGANISM: H. sapiens
US-09-781-882-3

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Query Match	6.9%	Score 107.4	DB 4	Length 2355
Best Local Similarity	49.1%	Pred. No. 1.2e-19		
Matches 406	Conservative	0	Mismatches 406	Indels 15
				Gaps 4
72	GGAGCTCTCGGCAAGAAGCGGTTTGGGACAGTGTTCGGGCGCAACATAGAAAGTGGG	1311		
75	GGAGAAGTGGGCTCGGGCGGCTTGGGGAGGTGTACAAAGTCCGCAATGTCACCTGGAA	134		
132	CTACAGATGTGGCGGTCAAGATC--GTAACTCGAAGCGATATCCAGAGTCAAGC	188		
135	GACCTGGCTGGCCATCAAGTGTCCGCCAGCTGCACGTCAGACAGAGGAGCGCATGG	194		
189	CATGGCAAGTCTGATTAACGATTGTGTGGGCTAGAAAGGGTTATGAGAAGGTGAA	248		
195	GCTTTTGGAGAAGGCAAGAGATGAGTGCAGAGTTTCCCTACATCTTGCTGTGT	254		
249	CTGGGACCAAGATCCCAAGCCGGCTCTGGTGACTAAATTCATGAGAAAGGCTCCCTGTC	308		
255	TGGCATCTGCCGGCAACCTGTGGGCTGGTCAATGAGATCAATGAGAGAGGGGCTCCCTGGA	314		
309	GGGCTGCTGCAGTCCCAAGTGCCTCGGCCCTGSCCGCTCTTTGCGCTGCTGAAGA	368		
315	AAAGCTGCTGGCTTCGGAG---CCATTGCCATGGGATCTCCGGTTCGGAATCCACGA	371		
369	AGTGTGCTTGGGATGTTTAACTGACAGACCAAGAACCCGGGTCTCTGACCCGGAGCT	428		
372	GACGGCGGTGGCATGAACCTTCCTGCACTGCAATGGCCGCCACATCTCTGCACTGGACCT	431		
429	CAAGCATATCAACGTCTCGCGGAGCCAGAGCTGACGTCAAGCTGGCAGATTTTGGCT	488		
432	CAAGCGCGGAACATCTGTGGAGGCCCACTACACAGTCAMAGATTTTGTGTGTCT	491		
489	GTCCACATTTCAAGGAGGCTCAAGTC---AGGCAAGGGTCCGGGAGCCAGGGGCGAC	545		



Db 492 GACCAAGTGAACGGGCTGTCTCCACTGCATGACCTCAGATGATGGCTGTTTGGAC 551  
 Qy 546 CTTGGCTTACTTGGCCCCAGAACTGTTTGTAACTTAAACGGGAAGGCTTCAACAGCAG 605  
 Db 552 AATGCCCTTACTCTCCCTCCAGAGCCGATCAGGAGAAAGCGGCTTTCGACACCAAGCA 611  
 Qy 606 TGACGTCTACAGCTTCGGGATCTTAAATGTGGGCAAGTGTCTCTGGAAAGAAATTGAAT 665  
 Db 612 CGATGTATACAGCTTTGGGATGTCTATCTGGGCGCTGT-----CACACGAAAGAACCC 665  
 Qy 666 GCCAACCCAGCACTCTGTGTACAGAGAGTGTGCAACAGGCAAAACCGGCTTCAATT 725  
 Db 666 GTTTCAGATGAGAAAGAACATCTTCATCATATGTGAAGGTGTGAAGGAGCCACCGGCC 725  
 Qy 726 GGTGAGCTGTCCCAAGCGGCGCTGAGATCTCCCGCTTAAAGGACCTGAAGAGCTAAT 785  
 Db 726 CGAGTGCCTCCGCTGTGTGCAAGCCGCGCGCGCTGCAAGCAACCTGATATCGCTCAT 785  
 Qy 786 GCAGCTGTGTGAGACAGTGAAGCCCAAGACACCTCTCTCCAGAAATGCTTACCAA 845  
 Db 786 GCAGCGGTGTGTGAGAGGAGATCCCGAGTTAGGCCCACTTCCAGAAATTAATTACTTGA 845  
 Qy 846 AACTGATGAGTCTTCCAGATGTGTGAGAAACATATGAAATGCTGCTG 892  
 Db 846 AACCGAGACCTGTGTGAAAAGCCTGATGACGAAAGTAAAGAACTG 892

## RESULT 10

US-09-781-882-1  
 ; Sequence 1, Application US/09781882  
 ; Patent No. 6630335  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kapeller-Libermann, Rosana  
 ; TITLE OF INVENTION: 14171 Protein Kinase, a No. 6630335el Human  
 ; FILE REFERENCE: 035800-209014(5800-6  
 ; CURRENT APPLICATION NUMBER: US/09/781,882  
 ; PRIORITY FILING DATE: 2001-02-12  
 ; PRIOR APPLICATION NUMBER: U.S. 60/182,096  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 3860  
 ; TYPE: DNA  
 ; ORGANISM: H. sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (17)...(2371)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)...(3860)  
 ; OTHER INFORMATION: n = A,T,C or G  
 US-09-781-882-1

Query Match 6.9%; Score 107.4; DB 4; Length 3860;  
 Best Local Similarity 49.1%; Pred. No. 1,5e-19;  
 Matches 406; Conservative 0; Mismatches 406; Indels 15; Gaps 4;

Qy 72 GGAGCTGTGCGCAAAAGCGGGTTCGCAACAGTGTTCGGGGGCAACATAGAACTGGGG 131  
 Db 91 GGAGAAAGTGGGCTCGGGGCGCTTCGGGCGAGGTGTAAAGGTGCCCATGTCTCACTGAA 150  
 Qy 132 CTACGATGTGGCGGTCAAGATC---GTAACTCGAAGCGGATATTCAGAGAGGTCAAGGC 188  
 Db 151 GACCTGGCTGCGCATCAAGTGTCTCCCGCAGCTGACGTGACGACAGGAGCGCATGA 210  
 Qy 189 CATGCAAGTCTGATTAAGCAATTCGTGTGCGCTTAAAGAGGGGTTATCGAAGAGTGA 248  
 Db 211 GCTTTTGAAGAGCGCAAGATGAGATGAGCTTCCCTACATCTGCTGTGTGA 270  
 Qy 249 CTGGAGCAAGATCCCAAGCCGCTGTGTGTGACTAAATTCATGAGAAAGGCTCCCTGTC 308

Db 271 TGAGCTGTGCGCGAACCTGTGTGAGCTGTGATGAGATGATGAGAGACGGGCTCCCTGGA 330  
 Qy 309 GGGGCTGTGCAATCCAGATGAGCTCTGAGCCCTGAGCCGCTCTTGTGCGGCTGTGAAGA 368  
 Db 331 AAAGTGTGTGCTTGTGAG---CAATTGCAATGAGATCTCGGTTCCGAATCATCCAGA 387  
 Qy 369 AGTGTCTTGGATGTTTTAACTGACGACGACAGAACCCGCTGCTGACCGGAACT 428  
 Db 388 GAGCGCGGTGGCATGAATCTTCTGCACTGTGATGAGCCCGGCACTCTGCACTGGAACCT 447  
 Qy 429 CAAGCATCCAAAGTCTGCGGAGCCAGAGCTGCAAGTCAAGTGGCAAGTTTGGCCT 488  
 Db 448 CAACCCCGCAATCTGTGTGATGAGCCCACTTACAGTCAAGATTTGTGATGCT 507  
 Qy 489 GTCCAAATTTGAGGAGGCTCAGATC---AGGACAGAGGTCGAGGAGCCAGGAGGAC 545  
 Db 508 GGCAGATGCAAGGAGGCTGTCTCCACTGATGACCTCAGATGAGATGGCTGTGGGAC 567  
 Qy 546 CTTGGGCTTACTTGGCCCGAGAACTGTTTGTAAAGTAAACCGAAGGCTTCAACAGCAG 605  
 Db 568 AATGCGCTACTCTCCCTCCAGAGCCGATCAGGAGAAAGCGGCTTTCGACACCAAGCA 627  
 Qy 606 TGACGTCTACAGCTTCCGGAATCTTAAATGTGGGCAAGTGTCTGTGAAAGAAATTGATT 665  
 Db 628 CGATGTATACAGCTTTGTGATGTCTATCTGGGGGCTGT-----CACACGAAAGAAAGCC 681  
 Qy 666 GCCAACCGAACCATCACTCGTGTGACGAGAGCTGTGCAACAGGAGAACCGGCTTCAATT 725  
 Db 682 GTTTCAGATGAGAAAGACATCTGCAATATATGTGAGGTGTGAAGGAGCCACCGCC 741  
 Qy 726 GGTGAGCTGTCCCAAGCGGCGCTGAGATCTCCGCTTAAAGACTGAAGAGCTAAT 785  
 Db 742 CGAGTGCCTCCGCTGTGTGCAAGCCGCGCGGCTGCAAGCACTGATATCCCTCAT 801  
 Qy 786 GCAGCTGTGTGAGACAGTGAAGCCCAAGACAGACCTCTTCCAGAAATTCCTAACAA 845  
 Db 802 GCACCGGTGTGTGAGAGGAGATCCGAGATTAAGGCCCACTTCCAGAAATTAATTACTTGA 861  
 Qy 846 AACTGATGAGTCTTCCAGATGTGTGAGAAACATATGAAATGCTGCTG 892  
 Db 862 AACCGAGACCTGTGTGAAAAGCCTGATGACGAAAGTAAAGAACTG 908

## RESULT 11

US-09-312-283C-403  
 ; Sequence 403, Application US/09312283C  
 ; Patent No. 6573095  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Watson, James D.  
 ; APPLICANT: Strachan, Lorna  
 ; APPLICANT: Sleeman, Matthew  
 ; APPLICANT: Ornst, Rene  
 ; APPLICANT: Murison, James G.  
 ; APPLICANT: Kumble, Krishanand D.  
 ; TITLE OF INVENTION: Compositions isolated from Skin Cells  
 ; FILE REFERENCE: 11000.1011c2  
 ; CURRENT APPLICATION NUMBER: US/09/312,283C  
 ; PRIORITY FILING DATE: 1999-05-14  
 ; NUMBER OF SEQ ID NOS: 425  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 403  
 ; LENGTH: 1774  
 ; TYPE: DNA  
 ; ORGANISM: Mouse  
 US-09-312-283C-403

Query Match 6.2%; Score 96.8; DB 4; Length 1774;  
 Best Local Similarity 51.9%; Pred. No. 8.7e-17;  
 Matches 320; Conservative 0; Mismatches 282; Indels 14; Gaps 4;

Qy 275 TGTGATCTAAATTCATGAGAAAGGCTCTGTGTGCGGGCTGTGCAATCCAGATGCCCTC 334



Db 286 TGGTCAATGAGTACATGAGACAGAGCTCCCTGGAGAAGCTGTGCTCAGAG---CAAT 342  
Qy 335 GGGCTTGGCCGCTCTTTTGGCCCTGTCTGTAAGAAAGTGTGCTTGGAGATTTTACTGC 334  
Db 343 TGGCTTGGGACCTGCTTTCGATCGTGCACAGACCGCGGAGATTAACCTTCTGC 402  
Qy 395 AGACACAGAACCCGGTGTCTTGTACCGGGAGCTCAAGCCATTCACAGTCTGCGGAGC 454  
Db 403 ATTGCATGTCTCCGCACTGTGACCTTAAGCTGAAGCCAGGAAATCTCTGGATG 462  
Qy 455 CAGAGCTGACGTCAGAGCTGAGATTTTGGCTGTCCATTTCAAGAGGCTCAAGT 514  
Db 463 CCACTACACATGTCAGATTTTGAATTGGGCTGGCAAGTGCATGGATGCCACT 522  
Qy 515 C---AGGACAGGGTCCGGGAGCCAGGGGGCACTCTGGCTACTTGGCCCAAGTGT 571  
Db 523 CTCATACCTCAGACATGATGAGCTGTGTGTGTAACAATCGCTTACCTCCCTCCAGAGCGAA 582  
Qy 572 TTGTTAAGTAAACCGGAAAGGCTGCACAGCCAGTACGTCATAGCTTCCGGATCCCTAA 631  
Db 583 TTCTGTAAGAAAGCCCGCTTTTGAACCAACATGATGATACAGCTTCCGCTGTGA 642  
Qy 632 TGTGGCAGTGTCTGTC-TGGAGAAGAGTTGATGCTCAACCGAACATCATCTGTAC 690  
Db 643 TCTGGGGTGTGCTTACACAGAAAGAGCATTTGCAATGAAGAAATCTTACATCA 702  
Qy 691 GAAAGCTGTGCAACAGGCAAGAACCGGCTTCAATTGGCTGAGCTGCCCAAGCGGCGCT 750  
Db 703 TGAATGAAGTGTAAAGGGGCAACCGCC-----AGAGCTGCCACCTCATCTCAACACC 755  
Qy 751 GAGACTCCGGGCTTAGAAGAGCTAAGAGCTAATGAGCTGTCTGAGCAGTGAAGCC 810  
Db 756 CGGCGCGCTGCTGTGCTGCACTGATGAGATTAATGCAAGCTGTGCAAGACCA 815  
Qy 811 AAGACAGAACCTCTTCCAGAGATGCTTACCAAAAAGTGAAGTCTTCCAGATGATG 870  
Db 816 CAGGTCCGGCCCACTTCCAGAAATTAACCTTGAAACAGAAACCTTTGTGAAGAGCT 875  
Qy 871 GAGAACATATGATG 886  
Db 876 GATGAGAGGTGAAG 891

RESULT 12  
US-09-509-802-1  
; Sequence 1, Application US/09509802  
; Patent No. 6489130  
; GENERAL INFORMATION:  
; APPLICANT: Immunex Corp.  
; APPLICANT: Bird, Timothy  
; TITLE OF INVENTION: DEATH ASSOCIATED KINASE CONTAINING ANKYRIN REPEATS (DAKAR)  
; FILE REFERENCE: 2889-US  
; CURRENT APPLICATION NUMBER: US/09/509,802  
; CURRENT FILING DATE: 2000-06-02  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: Patent version 3.0  
; SEQ ID NO 1  
; LENGTH: 2370  
; TYPE: DNA  
; ORGANISM: Mus sp.  
US-09-509-802-1

Query Match 6.2%; Score 96.8; DB 4; Length 2370;  
Best Local Similarity 51.9%; Pred. No. 9.9e-17;  
Matches 320; Conservative 0; Mismatches 282; Indels 14; Gaps 4;

Qy 275 TGGTACTAATTAATGAGAGAGCGCTCCTGTCCGGGCTGTGCACTCCAGTCCCTC 334  
Db 290 TGGTCAATGAGTACATGAGAGAGCGCTCCTGTGAGAGAGCTGCGCTCAGAG---CAAT 346  
Qy 335 GGGCTTGGCCGCTCTTTTGGCCCTGTCTGTAAGAAAGTGTGCTTGGAGATTTTACTGC 394

Db 347 TGGCTTGGGACCTGCGCTTTTCCATGTGTCACAGAGACAGCCGCTGGCATGAATCTTCTGC 406  
Qy 395 AGACACAGAACCCGGTGTCTTGTGCAACCGGAGCTTCAAGCATTCACAGTCCCGGAGC 454  
Db 407 ATTGCATGTCTCCGCACTGTGACCTTAAGCTGAAGCCAGGAAATCTCTGGATG 466  
Qy 455 CAGAGCTGACGTCAGAGCTGAGATTTTGGCTGTCCATTTCAAGAGGCTCAAGT 514  
Db 467 CCACTACACATGTCAGATTTTGAATTGGGCTGGCAAGTGCATGGATGCCACT 526  
Qy 515 C---AGGACAGGGTCCGGGAGCCAGGGGGCACTCTGGCTACTTGGCCCAAGTGT 571  
Db 527 CTCATACCTCAGACATGATGAGCTGTGTGTGTAACAATCGCTTACCTCCCTCCAGAGCGAA 586  
Qy 572 TTGTTAAGTAAACCGGAAAGGCTGCACAGCCAGTGAAGTCTTACAGCTTCCGGATCTTAA 631  
Db 587 TTCTGTAAGAAAGCCCGCTTTTGAACCAACATGATGATTAACAGCTTCCGCTGTGA 646  
Qy 632 TGTGGCAGTGTCTGTC-TGGAGAAGAGTTGATGCTCAACCGAACATCATCTGTGAC 690  
Db 647 TCTGGGGTGTGCTTACACAGAAAGAGCATTTGCAATGAAGAAATCTTACATCA 706  
Qy 691 GAAAGCTGTGCAACAGGCAAGAACCGGCTTCAATTGGCTGAGCTGCCCAAGCGGCGCT 750  
Db 707 TGAATGAAGTGTAAAGGGGCAACCGCC-----AGAGCTGCCACCTCATCTCAACACC 759  
Qy 751 GAGACTCCGGGCTTAGAAGAGTGAAGAGCTTATGCACTGTCTGTGAGCAGTGAAGCC 810  
Db 760 CGGCGCGCTGCTGTGCTGCACTGATGAGGCTCATGCAACCGGCTGGAGATGCAAGCCA 819  
Qy 811 AAGACAGAACCTCTTCCAGAGATGCTTACCAAAAAGTGAAGTCTTCCAGATGATG 870  
Db 820 CAGGTCCGGCCCACTTCCAGAAATTAACCTTGAAACAGAAACCTTTGTGAAGAGCT 879  
Qy 871 GAGAACATATGATG 886  
Db 880 GATGAGAGGTGAAG 895

RESULT 13  
US-09-188-930-257  
; Sequence 257, Application US/09188930A  
; Patent No. 6150502  
; GENERAL INFORMATION:  
; APPLICANT: Watson, James D.  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Omrust, Rene  
; TITLE OF INVENTION: Compositions Isolated From Skin Cells  
; TITLE OF INVENTION: and Methods For Their Use  
; FILE REFERENCE: 11000.1011c1  
; CURRENT APPLICATION NUMBER: US/09/188,930A  
; CURRENT FILING DATE: 1998-11-09  
; NUMBER OF SEQ ID NOS: 348  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 257  
; LENGTH: 3516  
; TYPE: DNA  
; ORGANISM: Mouse  
US-09-188-930-257

Query Match 6.2%; Score 96.8; DB 3; Length 3516;  
Best Local Similarity 51.9%; Pred. No. 1.2e-16;  
Matches 320; Conservative 0; Mismatches 282; Indels 14; Gaps 4;

Qy 275 TGGTACTAATTAATGAGAGAGCGCTCCTGTCCGGGCTGTGCACTCCAGTCCCTC 334  
Db 284 TGGTCAATGAGTACATGAGAGAGCGCTCCTGTGAGAGAGCTGTGCTGAGAG---CAAT 340  
Qy 335 GGGCTTGGCCGCTCTTTTGGCCCTGTCTGTAAGAAAGTGTGCTTGGAGATTTTACTGC 394  
Db 341 TGGCTTGGGACCTGCGCTTTTCCATGTGTCACAGAGACCGCGGAGATGAATCTTCTGC 400

Qy	395	ACGACCAAGAACCCGGGCTCTCGACCCGGGACCTCAACCATCAAGTCCCTGGCCGAGC	454
Db	401	ATTGCATGTCTCCGCCACTGTGCACTTGAACCTTGAACCCAGCCAACTCTCTGTGAATG	460
Qy	455	CAGAGCTGCACGTCAAGCTGGAGATTTTGTGCTGTGCACATTTCAAGGAGGCTCACAGT	514
Db	461	CCCACTACCATGTCAAGATTTTTCACTTTGGGCTGGCCAAGTGCATGTGCATGTCCACT	520
Qy	515	C---AGGACAGGCTCCGGGGAGCCAGGGGGGACCTGGGGTACCTTGGCCCGAAGATGT	571
Db	521	CTATATGCTCAGACATGAAATGGCTGTGTTGGTACATGCTTAACTCCCTTCAGAGCGAA	580
Qy	572	TTGTTAACTTAAACCGGAAGCCCTCCACAGCCAGTGAAGCTTACAGCTTGGGAACTCTAA	631
Db	581	TTGCTGAGAAAGACCCCTGTTTGTGACACCAAAATGATGTATACAGCTTCCGCAATTGTGA	640
Qy	632	TGTGGGCAAGCTCTTGC-TGGAAGAGAATGTGATTTGCCAACCGAACCATCACTCTGTGTAC	690
Db	641	TCTGGGGTGTGCTTACACAGAAAGAACATTTTGACATGAAGAAAGAACATCTTCAACATCA	700
Qy	691	GAAGCAAGTGTCAACAGGACGAAACCGGCTCTTATTTGGCTGAGCTGCCCCAAGCCGGGCTT	750
Db	701	TGATGAAGATGTGTAAGAGGCGCACCGCC-----AGAGCTGCGAACCATCTGCAAGCCC	753
Qy	751	GAGACTCTCCGGCTTTAAGAGACTGAAGAGCTAAATGCAAGCTCTGTGTGAGCAATGAGCCC	810
Db	754	CGCGCCGGTGCCCTGTGTCCAGACCTGTAATGAGGCTCATGCAAGCGTGTGTGACATGCAAGCCA	813
Qy	811	AAGGACAGAACCTCTCTTCCAGGAATGCTTACAAAAAATGATGAAGTTTTCAGATGATG	870
Db	814	CAGGTGGGGCCACCTTCCAGAAATTAATCTCTGAAACAGAAAGACCTTTGTGAAAGACCT	873
Qy	871	GAGAACATATGAAATG	886
Db	874	GATGAGGAGGTGAAG	889

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09-09-312-283C-257
Sequence 257, Application US/09312283C
Patent No. 6573095
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Steeman, Matthew
APPLICANT: Omtus, Rene
APPLICANT: Murison, James G.
APPLICANT: Kumble, Krishnand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
FILE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 257
LENGTH: 3516
TYPE: DNA
ORGANISM: Mouse
US-09-312-283C-257
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Query Match	6.2%	Score 96.8;	DB 4;	Length 3516;
Best Local Similarity	51.9%	Pred. No. 1.2e-16;		
Matches 320; Conservative	0;	Mismatches 282;	Indels 14;	Gaps 4

OY	275	TCGTCATCTAAATTCAATGAGAAACGGCTCCCTGTCCGGGGGTGCTGACATCCCACTGCCCTC	334
Db	284	TGTCATGAGATCAATGGAGACAGGGCTCCCTGGAGAGCTGCTGGCTCAGAG--CCAT	340
OY	335	GGCCCTGGCCGCTCCCTTTCGCGCTGCTGTAAGAAATGGTGTGGAGATGTTTAACTTGC	394
Db	341	TGCTCTGGGACCTGTGGCTTTCGCATCTGTGCAAGAGACACCGGTGGCCATGAACCTTCTGC	400

Qy	395	ACGACACAGAAACCCGGTGCCTCCGACACCGGAGCCTCAAGCGATCCAACTGTCGCGGAC	454
Db	401	ATTGATGATGTCTCCGCCACTGCTGCACCTAGACCTGAAGCACAAGAACATTCGTGCTGGATG	460
Qy	455	CAGAGCTGCACGTCAAGCTGGCAGATTTTGGCCTGTCCACATTTACAGGGAGGCTCACAGT	514
Db	461	CCCACTACCAATGTCAGAAATTTCTGACTTTGGGCTGGCCAAAGTCAAATGGCATGTGCCACT	520
Qy	515	C---AGGGAACAGGATCCGGGAGCCAGGGGGAGCACCCTGGGCTACTTGGGCCCCAGAACTGT	571
Db	521	CTCATGACCTCAGCATGTGATGGCCCTGTTTGGTACATGCTCTTAACCTCCCTCCAGACGAA	580
Qy	572	TTGTTAACGTAAACCGGAAGGCGCTTCCACAGCAGTGAAGCTCTACAGCTTTCGGGATCTTAA	631
Db	581	TTTCGTAGAGAGAGCGCGCTTGTGTCACACCAACATGATGTTAATACACTTCGCGCATTGTGA	640
Qy	632	TGTGGGACAGTGCCTTGC-TGGAAGAGAAATGTGATGGTCCAAACCACTACCTCGTGTAC	690
Db	641	TCTGGGGGTGTGCTTACACAGAAAGAACCTTTTGCAGATGAAAAAGAACATCTTACACATCA	700
Qy	691	GAAGCAGTGTGCACACAGGCAGAACCGGCGCTTCAATGGCTGTGAAGCTGCCCCAAGCCGGGACT	750
Db	701	TGATGAAGTGTGTAAGGGGCCACCGCC-----AGAGCTGCACCCATCTGCAACACC	753
Qy	751	GAGATCTCCCGGTGTGAAGAGCATGAAGAGCTAATGCACCTCTGCTGGAGCAGGTGAGCCC	810
Db	754	CGGCGCGTCTGTGGCCAGCTGATAGGGCTCATGCAACGGTGTCTGGCATGAGACCCA	813
Qy	811	AAGGACAGACCTCTCTCCAGGAATGGCTTACCAAAAATCGATGAAGCTTCCAGATGCTG	870
Db	814	CAGGTGCGGCGCCACTTCCAAGAATTAACCTCTGAAGACAGAAAGACCTTGTGAGAAAGCT	873
Qy	871	GAGAACATATGAATG	886
Db	874	GATGAGAGGTGAATG	889

```

RESULT 15
US-09-188-930-66
/ Sequence 66, Application US/09188930A
/ Patent No. 6150502
/ GENERAL INFORMATION:
/ APPLICANT: Watson, James D.
/ APPLICANT: Strachan, Lorna
/ APPLICANT: Sleeman, Matthew
/ APPLICANT: Onrust, Rene
/ APPLICANT: Muirson, James Greg
/ TITLE OF INVENTION: Compositions Isolated From Skin Cells
/ TITLE OF INVENTION: and Methods For Their Use
/ FILE REFERENCE: 11000.101c1
/ CURRENT APPLICATION NUMBER: US/09/188,930A
/ CURRENT FILING DATE: 1998-11-09
/ NUMBER OF SEQ ID NOS: 348
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 66
/ LENGTH: 1888
/ TYPE: DNA
/ ORGANISM: mouse
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1690) ... (1690)
/ NAME/KEY: unsure
/ LOCATION: (1755) ... (1755)
/ NAME/KEY: unsure
/ LOCATION: (1864) ... (1864)
US-09-188-930-66

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Query Match	5.1%	Score 79.6	DB 3	Length 1888
Best Local Similarity	53.2%	Pred. NO. 4.8e-12		
Matches 329, Conservative	0	Mismatches 274	Indels 15	Gaps 7
275 TGGTACTAAATTCTATGGAGAACGGCTCCCTGTCTGGGGCTGCTGACATCCCAATGTCCTC 334				

Db 284 TGGTCATGAGTACATGAGACAGGCTCCCTGGAGAAAGCTGTGGCTCAGAG---CCAT 340  
QY 335 GGGCCCTGGCCGCTCTTTCGCGCTGTGAAAGAGTGTGCTTGGAGTGTTTTACCTGC 394  
Db 341 TGCCTTGGAGACTGCGCTTTCGATGTCGACAGACAGCCGTGGCATGAACTTCTGCG 400  
QY 395 ACAGACGAACCGGAGTGTCTCTGACCCGGAGCTCAAGCATCCAGTCTGTCCGGA-- 452  
Db 401 ATTGCAATGCTCCGCACTGTGCACCTAGACCTGAAGCCAGGAACATCTTGTGTGATG 460  
QY 453 CCCAGAGCTGACAGTCAAGCTGAGC-AGATTTGGGCTGTCCACATTTTCAGGAGGCTCAC 511  
Db 461 CCCACTACCAAAATGTCAAGATTTCTTGAACCTTGGGCTGGCCAAAGTGAATGGCATGTCC 520  
QY 512 AGTC--AGGAGACAGGCTCCGGGAGCCAGGGGACCTTGGGCTACTTGGCCCAAGAC 568  
Db 521 ACTCTCATGACTCTCAGATGATGGCTGTGTGTACAAATGGGCTACTCTCCACAGAGC 580  
QY 569 TGTGTGTTAAGTAAACCGGAGGCGCTCCACAGCCAGTGAAGTCTACAGCTTGGGATCC 628  
Db 581 GAATTCGTGAGAAAGCCGCTTGTGACACCAACATGATGTATACAGCTTGCCATTTG 640  
QY 629 TAATGTGGCAGTGTCTGTGAGAGAGAGTGTGCGCAACCGAACCATCACTGTGT 688  
Db 641 TGATCTGGGGTGTGCTTAC--ACAGAAATATCATTTGCGATGAAAAGAACATCC---T 695  
QY 689 ACCAAGCAGTGTGCAACAGGACAGAACCGGCTTCATTTGCTGAGCTGCCCAAGCCGGGC 748  
Db 696 ACACATCATGATGAAAGTGGTA-AGGGGCCACCGCCAGAGCTGCCACCATCTGCAGAC 754  
QY 749 CTGAGACTCCCGCTTAGAAGACTGAAGAGCTAATGCAAGCTGTCTGTGAGCAGTGAAGC 808  
Db 755 CCGGCGCGGTGCTGTGTCAGGCTGATAGGGCTCATGCAACGAGTCTGTGCATGCAAGACC 814  
QY 809 CCAAGGACAGACCCCTCTTTCAGAGAAATGCTTACCAAAAACGTATGAAGTCTTCAGATGG 868  
Db 815 CACAGGTGGGGCCCACTTCCAAAGAAATTACCTCTGAACAGAAAGACCTTTGTGAGAGC 874  
QY 869 TGGAGAACAAATATGAATG 886  
Db 875 CTGATGAGGAGGTGAAG 892

Search completed: July 22, 2004, 16:33:25  
Job time : 137 secs

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